

#### 2 September, 2003

Bruce Lewis Environmental Resources Management 2525 Natomas Park Drive, Suite 350 Sacramento, CA 95833

RE: Aerojet RI/FS Work Order: P308192

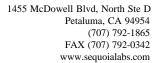
Enclosed are the results of analyses for samples received by the laboratory on 08/08/03 14:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angelee Cari Project Manager

CA ELAP Certificate #2374

Angelee Care



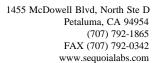


Project Number: N/A
Project Manager: Bruce Lewis

P308192 **Reported:** 09/02/03 17:33

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
39D-SB01-2.5	P308192-01	Soil	08/08/03 08:34	08/08/03 14:30
39D-SB01-5	P308192-02	Soil	08/08/03 08:44	08/08/03 14:30
39D-SB01-10	P308192-03	Soil	08/08/03 08:54	08/08/03 14:30
39D-SB01-15	P308192-04	Soil	08/08/03 10:12	08/08/03 14:30
39D-SB01-20	P308192-05	Soil	08/08/03 10:40	08/08/03 14:30
39D-SB01-25	P308192-06	Soil	08/08/03 11:00	08/08/03 14:30
39D-SB01D-25	P308192-07	Soil	08/08/03 11:00	08/08/03 14:30
39D-SB01-30	P308192-08	Soil	08/08/03 11:11	08/08/03 14:30
39D-SB01-35	P308192-09	Soil	08/08/03 11:35	08/08/03 14:30
39D-SB01-40	P308192-10	Soil	08/08/03 11:52	08/08/03 14:30
39D-SB01-45E	P308192-11	Water	08/08/03 12:16	08/08/03 14:30



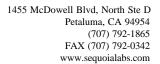


Project: Aerojet RI/FS
Project Number: N/A
Project Manager: Bruce Lewis

P308192 **Reported:** 09/02/03 17:33

# Tentatively Identified Compounds by GC/MS Sequoia Analytical - Petaluma

Analyte	Result M	Reporting DL Limit		Dilution	Batch	Prepared	Analyzed	Method	Notes
39D-SB01-2.5 (P308192-01) Soil	Sampled: 08/08/03	08:34 Receive	ed: 08/08/	/03 14:30		1	•		
No TICs found	ND	300		1	3080396	08/21/03	08/28/03	EPA 8270C	
39D-SB01-5 (P308192-02) Soil	Sampled: 08/08/03 08	3:44 Received	1: 08/08/0	3 14:30					
No TICs found	ND	300	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
39D-SB01-10 (P308192-03) Soil	Sampled: 08/08/03 (	8:54 Receive	ed: 08/08/	03 14:30					
No TICs found	ND	300	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
39D-SB01-15 (P308192-04) Soil	Sampled: 08/08/03 1	0:12 Receive	ed: 08/08/	03 14:30					
No TICs found	ND	300	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
39D-SB01-20 (P308192-05) Soil	Sampled: 08/08/03	0:40 Receive	ed: 08/08/	03 14:30					
No TICs found	ND	300	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
39D-SB01-25 (P308192-06) Soil	Sampled: 08/08/03 1	1:00 Receive	ed: 08/08/	03 14:30					
No TICs found	ND	300	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
39D-SB01D-25 (P308192-07) Soi	l Sampled: 08/08/03	3 11:00 Recei	ved: 08/08	8/03 14:30					
No TICs found	ND	300	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
39D-SB01-30 (P308192-08) Soil	Sampled: 08/08/03 1	1:11 Receive	ed: 08/08/	03 14:30					
No TICs found	ND	300	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
39D-SB01-35 (P308192-09) Soil	Sampled: 08/08/03 1	1:35 Receive	ed: 08/08/	03 14:30					
No TICs found	ND	300	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	





Project: Aerojet RI/FS Project Number: N/A P308192 **Reported:** 09/02/03 17:33

# Tentatively Identified Compounds by GC/MS Sequoia Analytical - Petaluma

Project Manager: Bruce Lewis

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
39D-SB01-40 (P308192-10) Soil	Sampled: 08/08	3/03 11:52	Received:	08/08/0	3 14:30					
No TICs found	ND		300	ug/kg	1	3080442	08/22/03	08/25/03	EPA 8270C	
39D-SB01-45E (P308192-11) Wa	nter Sampled: 0	8/08/03 12:	16 Receiv	ved: 08/	08/03 14:30	1				
No TICs found	ND		10	ug/l	1	3080223	08/12/03	08/27/03	EPA 8270C	

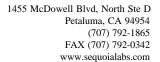




# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
39D-SB01-2.5 (P308192-01) Soil	Sampled: 08/0	08/03 08:34	Received	1: 08/08/0	3 14:30					
Acenaphthene	ND	8.7	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	100	9.3	330	"	"	"	"	"	"	J
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrophenor	ND ND	20	330	,,	"	"	"	"	"	
2, <del>4</del> -Dillitioloruche	ND	20	330							

Sequoia Analytical - Petaluma

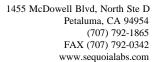




# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
39D-SB01-2.5 (P308192-01) Soil	Sampled: 08/0	8/03 08:34	Received	1: 08/08/0	3 14:30					
2,6-Dinitrotoluene	ND	13	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		43 %	11-12	20		"	"	"	"	
Surrogate: Phenol-d6		62 %	16-13	80		"	"	"	"	
Surrogate: Nitrobenzene-d5		47 %	16-12			"	"	"	"	
Surrogate: 2-Fluorobiphenyl		65 %	28-13			"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		81 %	51-14			"	"	"	"	
Surrogate: Terphenyl-d14		105 %	64-11			"	"	"	"	

Sequoia Analytical - Petaluma





# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
39D-SB01-5 (P308192-02) Soil	Sampled: 08/08	03 08:44	Received:	08/08/03	14:30					
Acenaphthene	ND	8.7	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	68	9.3	330	"	"	"	"	"	"	J
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	

Sequoia Analytical - Petaluma

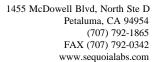




# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
39D-SB01-5 (P308192-02) Soil	Sampled: 08/08/	03 08:44	Received:	08/08/03	14:30					
2,6-Dinitrotoluene	ND	13	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	**	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	**	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	**	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		37 %	11-12	20		"	"	"	"	
Surrogate: Phenol-d6		57 %	16-13	30		"	"	"	"	
Surrogate: Nitrobenzene-d5		28 %	16-12	26		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		23 %	28-13			"	"	"	"	S-LIM
Surrogate: 2,4,6-Tribromophenol	!	71 %	51-14			"	"	"	"	
Surrogate: Terphenyl-d14		106 %	64-11			"	"	"	"	

Sequoia Analytical - Petaluma





# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
39D-SB01-10 (P308192-03) Soil	Sampled: 08/0	8/03 08:54	Received	: 08/08/03	3 14:30					
Acenaphthene	ND	8.7	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	84	9.3	330	"	"	"	"	"	"	J
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND ND	10	1700	"	,,	"	"	,,	"	
2,4-Dinitrophenor	ND ND	20	330	"	,,	"	"	"	"	
2,7-Dimilotofucite	ND	20	330							

Sequoia Analytical - Petaluma





# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
39D-SB01-10 (P308192-03) Soil	Sampled: 08/08	3/03 08:54	Received	: 08/08/03	3 14:30					
2,6-Dinitrotoluene	ND	13	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		50 %	11-12	20		"	"	"	"	
Surrogate: Phenol-d6		69 %	16-13	30		"	"	"	"	
Surrogate: Nitrobenzene-d5		42 %	16-12	26		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		42 %	28-13			"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		83 %	51-14			"	"	"	"	
Surrogate: Terphenyl-d14		111 %	64-11			"	"	"	"	

Sequoia Analytical - Petaluma

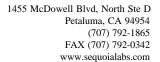




# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
39D-SB01-15 (P308192-04) Soil	Sampled: 08/08	8/03 10:12	Received	: 08/08/03	3 14:30					
Acenaphthene	ND	8.7	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	**	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND ND	15	330	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND ND	44	660	"	,,	"	"	"	"	
2,4-Dichlorophenol	ND ND	15	330	"	,,	"	"	"	"	
Diethyl phthalate	ND ND	13	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND ND	36	330	"	,,	"	"	"	"	
Dimethyl phthalate	ND ND	36 11	330	"	,,	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND ND	17	1700	"	,,	"	,,	,,	"	
2,4-Dinitrophenol	ND ND	17	1700	"	,,	"	,,	,,	"	
2,4-Dimtrophenoi	ND	10	1700							

Sequoia Analytical - Petaluma

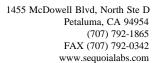




# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
39D-SB01-15 (P308192-04) Soil	Sampled: 08/0	8/03 10:12	Received:	08/08/03	3 14:30					
2,4-Dinitrotoluene	ND	20	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		35 %	11-12	0		"	"	"	"	
Surrogate: Phenol-d6		52 %	16-13			"	"	"	"	
Surrogate: Nitrobenzene-d5		30 %	16-12			"	"	"	"	
Surrogate: 2-Fluorobiphenyl		27 %	28-13			"	"	"	"	S-LIM
Surrogate: 2,4,6-Tribromophenol		67 %	51-14			,,	,,	,,	"	- 22.71

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# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
39D-SB01-15 (P308192-04) Soil	Sampled: 08/0	8/03 10:12	Received	: 08/08/03	3 14:30					
Surrogate: Terphenyl-d14		100 %	64-11	19		3080396	08/21/03	08/28/03	EPA 8270C	
39D-SB01-20 (P308192-05) Soil	Sampled: 08/0	8/03 10:40	Received	: 08/08/03	3 14:30					
Acenaphthene	ND	8.7	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
Dimenty i pinnarate	ND	11	330							

Sequoia Analytical - Petaluma

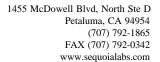




# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
39D-SB01-20 (P308192-05) Soil	Sampled: 08/08	8/03 10:40	Received	08/08/03	3 14:30					
4,6-Dinitro-2-methylphenol	ND	17	1700	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	**	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	**	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	**	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	**	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	**	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	**	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		46 %	11-12	0		"	"	"	"	
Surrogate: Phenol-d6		63 %	16-13	0		"	"	"	"	
Surrogate: Nitrobenzene-d5		49 %	16-12	6		"	"	"	"	

Sequoia Analytical - Petaluma

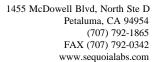




# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
39D-SB01-20 (P308192-05) Soil	Sampled: 08/0	8/03 10:40	Received	: 08/08/03	3 14:30					
Surrogate: 2-Fluorobiphenyl		47 %	28-13	34		3080396	08/21/03	08/28/03	EPA 8270C	
Surrogate: 2,4,6-Tribromophenol		53 %	51-14	14		"	"	"	"	
Surrogate: Terphenyl-d14		101 %	64-11	19		"	"	"	"	
39D-SB01-25 (P308192-06) Soil	Sampled: 08/0	8/03 11:00	Received	: 08/08/03	3 14:30					
Acenaphthene	ND	8.7	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	41	14	330	"	"	"	"	"	"	J

Sequoia Analytical - Petaluma

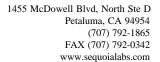




# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
39D-SB01-25 (P308192-06) Soil	Sampled: 08/0	8/03 11:00	Received:	08/08/03	14:30					
2,4-Dimethylphenol	ND	36	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	**	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	**	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	**	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	**	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	**	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	**	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	**	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	**	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		58 %	11-120	)		"	"	"	"	

Sequoia Analytical - Petaluma





# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Surrogate: Phenol-d6	Analyte	Result	H MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: Nitrobenzene-45	39D-SB01-25 (P308192-06) Soil	Sampled: 08/0	08/03 11:00	Received	: 08/08/03	3 14:30					
Surrogate: 2.4.6-Tribromophenol	Surrogate: Phenol-d6		72 %	16-13	30		3080396	08/21/03	08/28/03	EPA 8270C	
Surrogate: 2.4.6-Tribromophenol   Surrogate: 2.4.6-Tribromophenol   Surrogate: Templenyl-d14   """""""""""""""""""""""""""""""""""	Surrogate: Nitrobenzene-d5		56 %	16-12	26		"	"	"	"	
Surrogate: Terphenyl-dl4	Surrogate: 2-Fluorobiphenyl		54 %	28-13	34		"	"	"	"	
Acenaphthene ND 8.7 330 ug/kg 1 3080396 08/21/03 08/28/03 EPA 8270C  Acenaphthylene ND 7.6 330 " " " " " " " " " " " " " " " " " "	Surrogate: 2,4,6-Tribromophenol		82 %	51-14	14		"	"	"	"	
Acenaphthene ND 8.7 330 ug/kg 1 3080396 08/21/03 08/28/03 EPA 8270C  Acenaphthylene ND 7.6 330 " " " " " " " " " " " " " Archaracene  Anthracene ND 14 330 " " " " " " " " " " " " " " " " " "	Surrogate: Terphenyl-d14		107 %	64-11	19		"	"	"	"	
Acenaphthylene	39D-SB01D-25 (P308192-07) Soil	Sampled: 08	3/08/03 11:00	Receive	ed: 08/08/	03 14:30					
Anthracene ND 14 330 " " " " " " " " " " " " " " " " " "	Acenaphthene	ND	8.7	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
Rammaerie ND 14 330	Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Benzoicacid  ND 1700 1700 " " " " " " " " " " " " " Benzoicacid  ND 2.7 1700 " " " " " " " " " " " " " " " " " "	Anthracene	ND	14	330	"	"	"	"	"	"	
Benzo (a) anthracene  ND  7.6  330  ND  7.6  330  ND  7.6  330  ND  7.6  8enzo (a) anthracene  ND  8enzo (g,h,i) perylene  ND  8.8  330  ND  10  ND  11  660  ND  11  660  ND  11  660  ND  15  330  ND  ND  15  330  ND  ND  16  330  ND  ND  17  ND  18  18(2-chloroethoxy)methane  ND  15  330  ND  ND  16  330  ND  ND  17  ND  18  18  18  18  18  18  18  18  18  1	Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzo (a) anthracene	Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzo (a) alininateries   ND   13   330   "	Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (g,h,i) perylene         ND         8.8         330         "<	Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (a) pyrene   ND   10   330   "   "   "   "   "   "   "   "   "	Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzyl alcohol ND 11 660 " " " " " " " " " " " " Bis(2-chloroethoxy)methane ND 9.1 330 " " " " " " " " " " " " " " " " " "	Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Selection   Sele	Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether ND 16 330 " " " " " " " " " " " " " " " " " "	Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate ND 9.3 330 " " " " " " " " " " " " " " " " "	Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether ND 13 330 " " " " " " " " " " " 4-Chloroaniline ND 58 660 " " " " " " " " " " " " " " " " " "	Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Butyl benzyl phthalate	Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Chloroaniline ND 58 660 " " " " " " " " " 4-Chloro-3-methylphenol ND 11 660 " " " " " " " " " " " " " " " " " "	4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
4-Chloro-3-methylphenol ND 11 660 " " " " " " " " " " " " " " " " " "	Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
2-Chloronaphthalene ND 9.9 330 " " " " " " " " " " " " " " " " " "	4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
2-Chlorophenol ND 16 330 " " " " " " " " " " " " " " " " " "	4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether ND 13 330 " " " " " " " " " " " " " " " " "	2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
Chrysene         ND         11         330         " <t< td=""><td>2-Chlorophenol</td><td>ND</td><td>16</td><td>330</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td></td></t<>	2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene  ND  18  330  " " " " " " " " " " " " " " " " "	4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Dibenzofuran         ND         9.6         330         "	Chrysene	ND	11	330	"	"	"	"	"	"	
Di-n-butyl phthalate ND 12 330 " " " " " " " " " 1,3-Dichlorobenzene ND 14 330 " " " " " " " " " 1,4-Dichlorobenzene ND 15 330 " " " " " " " " " " " " " " " " " "	Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
1,2-Dichlorobenzene       ND       16       330       " <td>Dibenzofuran</td> <td>ND</td> <td>9.6</td> <td>330</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td>	Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
1,2-Dichlorobenzene       ND       16       330       " <td>Di-n-butyl phthalate</td> <td>ND</td> <td>12</td> <td>330</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td>	Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,3-Dichlorobenzene       ND       14       330       " <td>1,2-Dichlorobenzene</td> <td>ND</td> <td>16</td> <td>330</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td>	1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,4-Dichlorobenzene ND 15 330 " " " " " " "	1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
3,3´-Dichlorobenzidine ND 44 660 " " " " " " " "	1,4-Dichlorobenzene		15		"	"	"	"	"	"	
	3,3´-Dichlorobenzidine			660	"	"	"	"	"	"	

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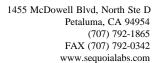




# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	F MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
39D-SB01D-25 (P308192-07) Soil	Sampled: 08	3/08/03 11:00	Receive	ed: 08/08/	03 14:30			-		
2,4-Dichlorophenol	ND	15	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	**	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	**	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	**	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	**	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND ND	13	330	"	"	"	"	"	"	
2,+,3-111cmorophenor	ND	14	330							

Sequoia Analytical - Petaluma

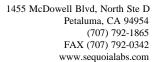




# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
39D-SB01D-25 (P308192-07) Soil	Sampled: 08	8/08/03 11:00	Receive	ed: 08/08/	03 14:30					
2,4,6-Trichlorophenol	ND	9.4	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
Surrogate: 2-Fluorophenol		45 %	11-12	20		"	"	"	"	
Surrogate: Phenol-d6		62 %	16-13	30		"	"	"	"	
Surrogate: Nitrobenzene-d5		51 %	16-12	26		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		45 %	28-13	34		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		48 %	51-14	14		"	"	"	"	S-LIM
Surrogate: Terphenyl-d14		106 %	64-11	19		"	"	"	"	
39D-SB01-30 (P308192-08) Soil	Sampled: 08/0	08/03 11:11	Received	: 08/08/03	3 14:30					
Acenaphthene	ND	8.7	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	75	9.3	330	"	"	"	"	"	"	J
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	

Sequoia Analytical - Petaluma

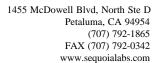




# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
39D-SB01-30 (P308192-08) Soil	Sampled: 08/0	8/03 11:11	Received	: 08/08/03	3 14:30					
1,4-Dichlorobenzene	ND	15	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	46	14	330	"	"	"	"	"	"	J
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND ND	12	330	"	"	"	"	,,	"	
Pyrene	ND ND	12	330	"	,,	"	"	"	"	
1,2,4-Trichlorobenzene	ND ND	15	330	"	,,	"	"	"	"	
1,2, <del>4</del> -111CHIOLOGEIZEIE	ND	13	330							

Sequoia Analytical - Petaluma

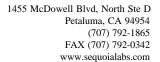




# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
39D-SB01-30 (P308192-08) Soil	Sampled: 08/0	8/03 11:11	Received	: 08/08/03	3 14:30					
2,4,5-Trichlorophenol	ND	14	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		56 %	11-12	20		"	"	"	"	
Surrogate: Phenol-d6		69 %	16-13	30		"	"	"	"	
Surrogate: Nitrobenzene-d5		55 %	16-12	26		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		56 %	28-13	34		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		81 %	51-14	14		"	"	"	"	
Surrogate: Terphenyl-d14		105 %	64-11	19		"	"	"	"	
39D-SB01-35 (P308192-09) Soil	Sampled: 08/0	8/03 11:35	Received	: 08/08/03	3 14:30					
Acenaphthene	ND	8.7	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
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Sequoia Analytical - Petaluma

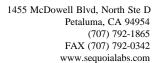




# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
39D-SB01-35 (P308192-09) Soil	Sampled: 08/08	8/03 11:35	Received	: 08/08/03	3 14:30					
1,2-Dichlorobenzene	ND	16	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
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Sequoia Analytical - Petaluma

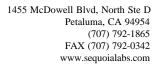




# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
39D-SB01-35 (P308192-09) Soil	Sampled: 08/0	08/03 11:35	Received	: 08/08/03	3 14:30					
Phenol	ND	12	330	ug/kg	1	3080396	08/21/03	08/28/03	EPA 8270C	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		58 %	11-12	20		"	"	"	"	
Surrogate: Phenol-d6		70 %	16-13	80		"	"	"	"	
Surrogate: Nitrobenzene-d5		59 %	16-12	26		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		43 %	28-13	34		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		82 %	51-14	14		"	"	"	"	
Surrogate: Terphenyl-d14		108 %	64-11	19		"	"	"	"	
39D-SB01-40 (P308192-10) Soil	Sampled: 08/0	08/03 11:52	Received	: 08/08/03	3 14:30					
Aniline	ND	10	330	ug/kg	1	3080442	08/22/03	08/25/03	EPA 8270C	
Acenaphthene	ND	8.7	330	"	"	"	"	"	"	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	

Sequoia Analytical - Petaluma





# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

			Reporting							
Analyte	Result	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
39D-SB01-40 (P308192-10) Soil	Sampled: 08/0	8/03 11:52	Received	: 08/08/03	3 14:30					
Chrysene	ND	11	330	ug/kg	1	3080442	08/22/03	08/25/03	EPA 8270C	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3´-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	11	330	"	"	"	"	"	"	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	**	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	**	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
1. 1. Tuosoanneary tannine	1112	10	330							

Sequoia Analytical - Petaluma

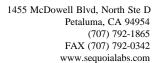




# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

			Reporting							
Analyte	Result	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
39D-SB01-40 (P308192-10) Soil	Sampled: 08/	08/03 11:52	Received	: 08/08/03	3 14:30					
N-Nitrosodiphenylamine	ND	17	330	ug/kg	1	3080442	08/22/03	08/25/03	EPA 8270C	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		69 %	11-12	20		"	"	"	"	
Surrogate: Phenol-d6		78 %	16-13	30		"	"	"	"	
Surrogate: Nitrobenzene-d5		85 %	16-12	26		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		87 %	28-13	34		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		99 %	51-14	14		"	"	"	"	
Surrogate: Terphenyl-d14		115 %	64-11	19		"	"	"	"	
39D-SB01-45E (P308192-11) Wa	ter Sampled:	08/08/03 12	:16 Recei	ved: 08/0	8/03 14:30	)				
Acenaphthene	ND	1.2	10	ug/l	1	3080223	08/12/03	08/27/03	EPA 8270C	
Acenaphthylene	ND	1.4	10	"	"	"	"	"	"	
Anthracene	ND	0.60	10	"	"	"	"	"	"	
Azobenzene	ND	0.63	20	"	"	"	"	"	"	
Benzidine	ND	3.2	50	"	"	"	"	"	"	
Benzoic acid	ND	3.9	50	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.44	10	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	1.1	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.64	10	**	"	"	"	"	"	
Benzo (a) pyrene	ND	0.87	10	"	"	"	"	"	"	
Benzyl alcohol	ND	3.9	20	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	1.1	10	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	1.5	10	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	1.5	10	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	2.8	10	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	0.70	10	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	2.7	10	"	"	"	"	"	"	
4-Chloroaniline	ND	0.55	20	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	2.3	20	"	"	"	"	"	"	

Sequoia Analytical - Petaluma





# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

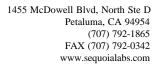
Analyte	Result	Re <sub>j</sub>	porting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
39D-SB01-45E (P308192-11) Water	Sampled:	08/08/03 12:16	Recei	ved: 08/0	8/03 14:30			<u> </u>		
2-Chloronaphthalene	ND	1.4	10	ug/l	1	3080223	08/12/03	08/27/03	EPA 8270C	
2-Chlorophenol	ND	0.31	10	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	0.97	10	"	"	"	"	"	"	
Chrysene	ND	0.45	10	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.55	10	"	"	"	"	"	"	
Dibenzofuran	ND	1.1	10	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	1.1	10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.8	10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.8	10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.8	10	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	2.9	20	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	0.47	10	"	"	"	"	"	"	
Diethyl phthalate	ND	0.42	10	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1.4	10	"	"	"	"	"	"	
Dimethyl phthalate	ND	0.56	10	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	3.4	50	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	2.3	50	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	0.82	10	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	0.76	10	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	0.81	10	"	"	"	"	"	"	
Fluoranthene	ND	0.44	10	"	"	"	"	"	"	
Fluorene	ND	1.0	10	"	"	"	"	"	"	
Hexachlorobenzene	ND	0.79	10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.5	10	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	0.31	10	"	"	"	"	"	"	
Hexachloroethane	ND	1.7	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.61	10	"	"	"	"	"	"	
Isophorone	ND	0.71	10	"	"	"	"	"	"	
2-Methylnaphthalene	ND	1.4	10	"	"	"	"	"	"	
2-Methylphenol	ND	3.4	10	"	"	"	"	"	"	
4-Methylphenol	ND	3.0	10	"	"	"	**	"	"	
Naphthalene	ND	1.6	10	"	"	"	"	"	"	
2-Nitroaniline	ND	0.69	50	"	"	"	"	"	"	
3-Nitroaniline	ND	0.54	50	"	"	"	**	"	"	
4-Nitroaniline	ND	0.61	50	"	"	"	"	"	"	
Nitrobenzene	ND	1.3	10	"	"	"	"	"	"	
	1,2	1.0								

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# Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

		Par	oorting							
Analyte	Result			Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
39D-SB01-45E (P308192-11) Water	Sampled:	08/08/03 12:16	Receive	d: 08/0	08/03 14:30					
2-Nitrophenol	ND	0.42	10	ug/l	1	3080223	08/12/03	08/27/03	EPA 8270C	
4-Nitrophenol	ND	0.51	50	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	1.4	20	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	3.9	10	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	0.58	10	"	"	"	"	"	"	
Pentachlorophenol	ND	3.1	50	"	"	"	"	"	"	
Phenanthrene	ND	0.56	10	"	"	"	"	"	"	
Phenol	ND	0.48	10	"	"	"	"	"	"	
Pyrene	ND	0.28	10	"	"	"	"	"	"	
Pyridine	ND	3.8	10	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.7	10	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	0.61	10	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	0.31	10	"	"	"	"	"	"	
1,4-Dichlorobenzene-d4	40			"	"	"	"	"	"	
Surrogate: 2-Fluorophenol	_	38 %	15-103	_	_	"	"	"	"	
Surrogate: Phenol-d6		61 %	18-115			"	"	"	"	
Surrogate: Nitrobenzene-d5		79 %	39-103			"	"	"	"	
Surrogate: 2-Fluorobiphenyl		78 %	40-124			"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		93 %	11-142			"	"	"	"	
Surrogate: Terphenyl-d14		115 %	56-139			"	"	"	"	





# Tentatively Identified Compounds by GC/MS - Quality Control Sequoia Analytical - Petaluma

			Reporting		Spike	Source		%REC		RPD	
Analyte	Result	MDL	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3080223 - EPA 3520B	LiqLiquid										
Blank (3080223-BLK1)					Prepared:	08/12/03	Analyzed	: 08/26/03			
No TICs found	ND		10	ug/l							
Batch 3080396 - EPA 3550A	Sonication										
Blank (3080396-BLK1)					Prepared:	08/21/03	Analyzed	: 08/27/03			
No TICs found	ND		300	ug/kg							
Batch 3080442 - EPA 3550A	Sonication										
Blank (3080442-BLK1)					Prepared:	08/22/03	Analyzed	: 08/25/03			
No TICs found	ND		300	ug/kg							



# Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Petaluma

			Reporting		Spike	Source		%REC		RPD		l
Analyte	Result	MDL	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	l

Batch 308	30223 -	<b>EPA</b>	3520B	LiaL	iauid
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Acenaphthene         ND         1.2         10         ug/l           Acenaphthylene         ND         1.4         10         "           Anthracene         ND         0.60         10         "           Azobenzene         ND         0.63         20         "           Benzoi caid         ND         3.2         50         "           Benzo (a) anthracene         ND         0.44         10         "           Benzo (a) preme         ND         0.64         10         "           Benzo (g,h.i) perylene         ND         0.64         10         "           Benzo (g,h.i) perylene         ND         0.87         10         "           Benzo (g,h.i) perylene         ND         0.87         10         "           Benzo (a) pyrene         ND         0.87         10         "           Benzo (a) pyrene         ND         0.87         10         "           Benzo (a) pyrene         ND         0.87         10         "           Bis(2-chlorosipy)methane         ND         1.5         10         "           Bis(2-chlorosipy)pether         ND         1.5         10         "           Bi	Blank (3080223-BLK1)					Prepared: 08/12/03 Analyzed: 08/26/03
Anthracene ND 0.60 10 " Azobenzene ND 0.63 20 " Benzidine ND 3.2 50 " Benzidine ND 0.44 10 " Benzo (a) anthracene ND 0.44 10 " Benzo (a) anthracene ND 0.64 10 " Benzo (b+k) fluoranthene (total) ND 1.1 10 " Benzo (byrene ND 0.64 10 " Benzo (byrene ND 0.87 10 " Benzyl alcohol ND 3.9 20 " Bis(2-chloroethoxy)methane ND 1.1 10 " Bis(2-chloroethoxy)methane ND 1.5 10 " Bis(2-chloroethy)ether ND 1.5 10 " Bis(2-chloroethy)phthalate ND 2.8 10 " Bis(2-chloroethy)phthalate ND 2.8 10 " Bis(2-chlyhexyl)phthalate ND 2.7 10 " Bix(4-Chloro-3-methylphenol ND 0.55 20 " 4-Chloronaphthalene ND 0.55 20 " 4-Chloronaphthalene ND 0.31 10 " 4-Chloronaphthalene ND 0.31 10 " 4-Chlorophenol ND 0.31 10 "	Acenaphthene	ND	1.2	10	ug/l	
Name   No.	Acenaphthylene	ND	1.4	10	"	
Benzoica acid Benzoica acid Benzo (a) anthracene ND 0.44 10 Benzo (b+k) fluoranthene (total) Benzo (b+k) fluoranthene (total) Benzo (a) pyrene ND 0.64 10 Benzo (a) pyrene ND 0.64 10 Benzo (a) pyrene ND 0.65 Bis(2-chloroethoxy)methane ND 0.87 ND 0.87 ND 0.87 ND 0.87 ND 0.87 ND 0.89 Benzo (a) pyrene ND 0.87 ND 0.87 ND 0.87 ND 0.87 ND 0.87 ND 0.89 Benzo (a) pyrene ND 0.87 ND 0.87 ND 0.87 ND 0.89 Benzo (a) pyrene ND 0.89 ND 0.89 ND 0.80 ND 0.80 ND 0.80 ND 0.80 ND 0.80 ND 0.81 ND 0.81 ND 0.81 ND 0.85	Anthracene	ND	0.60	10	"	
Benzoic acid         ND         3.9         50         "           Benzo (a) anthracene         ND         0.44         10         "           Benzo (b+k) fluoranthene (total)         ND         0.64         10         "           Benzo (a) pyrene         ND         0.64         10         "           Benzo (a) pyrene         ND         0.87         10         "           Benzy a lacholo         ND         3.9         20         "           Bis(2-chlorethoxy)methane         ND         1.1         10         "           Bis(2-chloroethylpether         ND         1.5         10         "           Bis(2-chloroethylpether)         ND         1.5         10         "           Bis(2-chloroethylpether)         ND         1.5         10         "           Bis(2-chloroethylphenol         ND         2.8         10         "           4-Bromophenyl phenyl ether         ND         0.7         10         "           4-Chloroaniline         ND         0.55         20         "           4-Chloroaniline         ND         0.5         20         "           4-Chloroaniline         ND         0.5         10	Azobenzene	ND	0.63	20	"	
Benzo (a) anthracene ND 0.44 10 " Benzo (g.h.i) perylene ND 0.64 10 " Benzo (a) pyrene ND 0.87 10 " Benzo (a) pyrene ND 0.87 10 " Bis(2-chloroethoxy)methane ND 1.1 10 " Bis(2-chloroethyl)tether ND 1.5 10 " Bis(2-chloroisopropyl)ether ND 1.5 10 " Bis(2-chloroisopropyl)ether ND 0.70 10 " Butyl benzyl phthalate ND 2.8 10 " 4-Bromophenyl phenyl ether ND 0.55 20 " 4-Chloro-3-methylphenol ND 0.55 20 " 4-Chloro-3-methylphenol ND 0.31 10 " 2-Chlorophenol ND 0.31 10 " 4-Chlorophenyl phenyl ether ND 0.97 10 " 4-Chlorophenyl phenyl ether ND 0.97 10 " 5-Chrysene ND 0.45 10 " Dibenz (a,h) anthracene ND 0.55 10 " Dibenz (a,h) anthracene ND 1.1 10 " Di-n-butyl phthalate ND 1.1 10 " Di-n-butyl phthalate ND 1.8 10 " 1,3-Dichlorobenzene ND 1.8 10 " 1,4-Dichlorobenzene ND 1.8 10 " 1,4-Dichlorobenzene ND 0.47 10 "	Benzidine	ND	3.2	50	"	
Benzo (b+k) fluoranthene (total)         ND         1.1         10         "           Benzo (g,h.i) perylene         ND         0.64         10         "           Benzo (a) pyrene         ND         0.87         10         "           Benzyl alcohol         ND         3.9         20         "           Bis(2-chlorothyy)methane         ND         1.1         10         "           Bis(2-chlorothyl)ether         ND         1.5         10         "           Bis(2-chlorothyl)ether         ND         1.5         10         "           Bis(2-chlorothyl)ether         ND         1.5         10         "           Bis(2-chlylhexyl)phthalate         ND         2.8         10         "           4-Bromophenyl phenyl ether         ND         0.70         10         "           4-Bromophenyl phenyl ether         ND         0.55         20         "           4-Chloro-3-methylphenol         ND         2.3         20         "           4-Chlorophenyl phenyl ether         ND         0.31         10         "           Chrysene         ND         0.45         10         "           Dibenz (a,h) anthracene         ND         0.55 <td>Benzoic acid</td> <td>ND</td> <td>3.9</td> <td>50</td> <td>"</td> <td></td>	Benzoic acid	ND	3.9	50	"	
Senzo (a)-hi perylene	Benzo (a) anthracene	ND	0.44	10	"	
Benzo (a) pyrene   ND   0.87   10   "	Benzo (b+k) fluoranthene (total)	ND	1.1	10	"	
Benzyl alcohol         ND         3.9         20         "           Bis(2-chloroethxy)methane         ND         1.1         10         "           Bis(2-chloroethy)bether         ND         1.5         10         "           Bis(2-chlorospropyl)ether         ND         1.5         10         "           Bis(2-chlorospropyl)ether         ND         1.5         10         "           Bis(2-chlorospropyl)ether         ND         2.8         10         "           4-Bromophenyl phenyl ether         ND         0.7         10         "           4-Bromophenyl phenyl ether         ND         0.55         20         "           4-Chloroa-3-methylphenol         ND         0.55         20         "           4-Chloroa-3-methylphenol         ND         1.4         10         "           2-Chlorophenol         ND         0.31         10         "           4-Chloroaphthalene         ND         0.41         10         "           4-Chlorophenol         ND         0.45         10         "           4-Chlorophenol         ND         0.45         10         "           Dibenzofuran         ND         1.1         10	Benzo (g,h,i) perylene	ND	0.64	10	"	
Bis(2-chloroethoxy)methane         ND         1.1         10         "           Bis(2-chloroethyl)ether         ND         1.5         10         "           Bis(2-chloroisopropyl)ether         ND         1.5         10         "           Bis(2-ethylhexyl)phthalate         ND         1.5         10         "           4-Bromophenyl phenyl ether         ND         0.70         10         "           4-Bromophenyl phenyl phthalate         ND         0.70         10         "           4-Chloroaniline         ND         0.55         20         "           4-Chloro-3-methylphenol         ND         0.55         20         "           4-Chloro-3-methylphenol         ND         0.31         10         "           2-Chlorophenol         ND         0.31         10         "           2-Chlorophenol         ND         0.31         10         "           4-Chlorophenyl phenyl ether         ND         0.97         10         "           Dibenz (a,h) anthracene         ND         0.45         10         "           Dibenz (a,h) anthracene         ND         1.1         10         "           Dibenz (brundama)         ND         1	Benzo (a) pyrene	ND	0.87	10	"	
Bis(2-chloroethylether         ND         1.5         10         "           Bis(2-chloroisopropyl)ether         ND         1.5         10         "           Bis(2-ethylhexyl)phthalate         ND         2.8         10         "           4-Bromophenyl phenyl ether         ND         0.70         10         "           Butyl benzyl phthalate         ND         0.7         10         "           4-Chloroanlithe         ND         0.55         20         "           4-Chloroa-3-methylphenol         ND         2.3         20         "           4-Chloroaphthalene         ND         0.4         10         "           2-Chlorophenol         ND         0.31         10         "           4-Chlorophenyl phenyl ether         ND         0.97         10         "           Chrysene         ND         0.45         10         "           Dibenz (a,h) anthracene         ND         0.55         10         "           Dibenzofuran         ND         1.1         10         "           Di-n-butyl phthalate         ND         1.8         10         "           1,3-Dichlorobenzene         ND         1.8         10         <	Benzyl alcohol	ND	3.9	20	"	
Bis(2-chloroisopropyl)ether Bis(2-chloroisopropyl)ether ND D: Bis(2-chloroisopropyl)ether ND D: Bis(2-chloroisopropyl)ether ND D: Butyl benzyl phthalate ND D: Chloroaniline ND D: Chloroa	Bis(2-chloroethoxy)methane	ND	1.1	10	"	
Bis(2-ethylhexyl)phthalate         ND         2.8         10         "           4-Bromophenyl phenyl ether         ND         0.70         10         "           Butyl benzyl phthalate         ND         2.7         10         "           4-Chloroaniline         ND         0.55         20         "           4-Chloro-3-methylphenol         ND         2.3         20         "           2-Chlorophenol         ND         0.31         10         "           4-Chlorophenyl phenyl ether         ND         0.97         10         "           Chrysene         ND         0.45         10         "           Dibenz (a,h) anthracene         ND         0.55         10         "           Dibenzofuran         ND         1.1         10         "           Di-n-butyl phthalate         ND         1.1         10         "           1,2-Dichlorobenzene         ND         1.8         10         "           1,3-Dichlorobenzene         ND         1.8         10         "           1,4-Dichlorobenzene         ND         1.8         10         "           2,4-Dichlorobenzidine         ND         0.47         10         " <td>Bis(2-chloroethyl)ether</td> <td>ND</td> <td>1.5</td> <td>10</td> <td>"</td> <td></td>	Bis(2-chloroethyl)ether	ND	1.5	10	"	
## A-Bromophenyl phenyl ether   ND   0.70   10   "  ## Butyl benzyl phthalate   ND   0.55   20   "  ## 4-Chloro-a-methylphenol   ND   0.55   20   "  ## 2-Chloronaphthalene   ND   1.4   10   "  ## 2-Chlorophenol   ND   0.31   10   "  ## 4-Chlorophenol   ND   0.31   10   "  ## 4-Chlorophenyl phenyl ether   ND   0.97   10   "  ## 4-Chlorophenyl phenyl ether   ND   0.97   10   "  ## 5-Chrysene   ND   0.45   10   "  ## 5-Dibenz (a,h) anthracene   ND   0.55   10   "  ## 5-Dibenz (a,h) anthracene   ND   1.1   10   "  ## 5-Dibenz (a,h) anthracene   ND   1.1   10   "  ## 5-Di-n-butyl phthalate   ND   1.1   10   "  ## 7-Di-n-butyl phthalate   ND   1.8   10   "  ## 7-Di-n-butyl phthalate   ND   0.47   10   "  ## 7-Di-n-butyl phthalate   ND   0.47   10   "  ## 7-Di-n-butyl phthalate   ND   0.42   10	Bis(2-chloroisopropyl)ether	ND	1.5	10	"	
Butyl benzyl phthalate         ND         2.7         10         "           4-Chloroaniline         ND         0.55         20         "           4-Chloro-3-methylphenol         ND         2.3         20         "           2-Chloronaphthalene         ND         1.4         10         "           2-Chlorophenol         ND         0.31         10         "           4-Chlorophenyl phenyl ether         ND         0.97         10         "           Chrysene         ND         0.45         10         "           Dibenz (a,h) anthracene         ND         0.55         10         "           Dibenzofuran         ND         1.1         10         "           Di-n-butyl phthalate         ND         1.1         10         "           1,2-Dichlorobenzene         ND         1.8         10         "           1,3-Dichlorobenzene         ND         1.8         10         "           1,4-Dichlorobenzidine         ND         2.9         20         "           2,4-Dichlorophenol         ND         0.47         10         "           Diethyl phthalate         ND         0.42         10         "      <	Bis(2-ethylhexyl)phthalate	ND	2.8	10	"	
4-Chloroaniline ND 0.55 20 "  4-Chloro-3-methylphenol ND 2.3 20 "  2-Chlorophenol ND 0.31 10 "  4-Chlorophenol ND 0.97 10 "  Chrysene ND 0.45 10 "  Dibenz (a,h) anthracene ND 1.1 10 "  Di-n-butyl phthalate ND 1.1 10 "  1,2-Dichlorobenzene ND 1.8 10 "  1,3-Dichlorobenzene ND 1.8 10 "  1,4-Dichlorobenzene ND 1.8 10 "  3,3'-Dichlorobenzene ND 2.9 20 "  2,4-Dichlorophenol ND 0.42 10 "  Diethyl phthalate ND 0.42 10 "  Diethyl phthalate ND 0.42 10 "  Diethyl phthalate ND 0.42 10 "	4-Bromophenyl phenyl ether	ND	0.70	10	"	
4-Chloro-3-methylphenol ND 2.3 20 " 2-Chloronaphthalene ND 1.4 10 " 2-Chlorophenol ND 0.31 10 " 4-Chlorophenyl phenyl ether ND 0.97 10 " Chrysene ND 0.45 10 " Dibenz (a,h) anthracene ND 1.1 10 " Di-n-butyl phthalate ND 1.1 10 " 1,2-Dichlorobenzene ND 1.8 10 " 1,3-Dichlorobenzene ND 1.8 10 " 1,4-Dichlorobenzene ND 2.9 20 " 2,4-Dichlorophenol ND 0.47 10 " Diethyl phthalate ND 0.47 10 " Diethyl phthalate ND 0.42 10 " Diethyl phthalate ND 0.42 10 "	Butyl benzyl phthalate	ND	2.7	10	"	
2-Chloronaphthalene         ND         1.4         10         "           2-Chlorophenol         ND         0.31         10         "           4-Chlorophenyl phenyl ether         ND         0.97         10         "           Chrysene         ND         0.45         10         "           Dibenz (a,h) anthracene         ND         0.55         10         "           Dibenzofuran         ND         1.1         10         "           Di-n-butyl phthalate         ND         1.1         10         "           1,2-Dichlorobenzene         ND         1.8         10         "           1,3-Dichlorobenzene         ND         1.8         10         "           1,4-Dichlorobenzene         ND         1.8         10         "           3,3'-Dichlorobenzidine         ND         2.9         20         "           2,4-Dichlorophenol         ND         0.47         10         "           Diethyl phthalate         ND         0.42         10         "           2,4-Dimethylphenol         ND         1.4         10         "	4-Chloroaniline	ND	0.55	20	"	
2-Chlorophenol       ND       0.31       10       "         4-Chlorophenyl phenyl ether       ND       0.97       10       "         Chrysene       ND       0.45       10       "         Dibenz (a,h) anthracene       ND       0.55       10       "         Dibenzofuran       ND       1.1       10       "         Di-n-butyl phthalate       ND       1.1       10       "         1,2-Dichlorobenzene       ND       1.8       10       "         1,3-Dichlorobenzene       ND       1.8       10       "         1,4-Dichlorobenzidine       ND       2.9       20       "         2,4-Dichlorophenol       ND       0.47       10       "         Diethyl phthalate       ND       0.42       10       "         2,4-Dimethylphenol       ND       1.4       10       "	4-Chloro-3-methylphenol	ND	2.3	20	"	
4-Chlorophenyl phenyl ether ND 0.97 10 " Chrysene ND 0.45 10 " Dibenz (a,h) anthracene ND 0.55 10 " Dibenzofuran ND 1.1 10 " Di-n-butyl phthalate ND 1.1 10 " 1,2-Dichlorobenzene ND 1.8 10 " 1,3-Dichlorobenzene ND 1.8 10 " 1,4-Dichlorobenzene ND 1.8 10 " 3,3'-Dichlorobenzidine ND 2.9 20 " 2,4-Dichlorophenol ND 0.47 10 " Diethyl phthalate ND 0.42 10 " 2,4-Dimethylphenol ND 1.4 10 "	2-Chloronaphthalene	ND	1.4	10	"	
Chrysene         ND         0.45         10         "           Dibenz (a,h) anthracene         ND         0.55         10         "           Dibenzofuran         ND         1.1         10         "           Di-n-butyl phthalate         ND         1.1         10         "           1,2-Dichlorobenzene         ND         1.8         10         "           1,3-Dichlorobenzene         ND         1.8         10         "           3,3'-Dichlorobenzene         ND         1.8         10         "           2,4-Dichlorobenzidine         ND         2.9         20         "           2,4-Dichlorophenol         ND         0.47         10         "           Diethyl phthalate         ND         0.42         10         "           2,4-Dimethylphenol         ND         1.4         10         "	2-Chlorophenol	ND	0.31	10	"	
Dibenz (a,h) anthracene       ND       0.43       10         Dibenzofuran       ND       1.1       10       "         Di-n-butyl phthalate       ND       1.1       10       "         1,2-Dichlorobenzene       ND       1.8       10       "         1,3-Dichlorobenzene       ND       1.8       10       "         1,4-Dichlorobenzene       ND       1.8       10       "         3,3'-Dichlorobenzidine       ND       2.9       20       "         2,4-Dichlorophenol       ND       0.47       10       "         Diethyl phthalate       ND       0.42       10       "         2,4-Dimethylphenol       ND       1.4       10       "	4-Chlorophenyl phenyl ether	ND	0.97	10	"	
Dibenzofuran         ND         1.1         10         "           Di-n-butyl phthalate         ND         1.1         10         "           1,2-Dichlorobenzene         ND         1.8         10         "           1,3-Dichlorobenzene         ND         1.8         10         "           1,4-Dichlorobenzene         ND         1.8         10         "           3,3'-Dichlorobenzidine         ND         2.9         20         "           2,4-Dichlorophenol         ND         0.47         10         "           Diethyl phthalate         ND         0.42         10         "           2,4-Dimethylphenol         ND         1.4         10         "	Chrysene	ND	0.45	10	"	
Di-n-butyl phthalate         ND         1.1         10         "           1,2-Dichlorobenzene         ND         1.8         10         "           1,3-Dichlorobenzene         ND         1.8         10         "           1,4-Dichlorobenzene         ND         1.8         10         "           3,3'-Dichlorobenzidine         ND         2.9         20         "           2,4-Dichlorophenol         ND         0.47         10         "           Diethyl phthalate         ND         0.42         10         "           2,4-Dimethylphenol         ND         1.4         10         "	Dibenz (a,h) anthracene	ND	0.55	10	"	
1,2-Dichlorobenzene       ND       1.8       10       "         1,3-Dichlorobenzene       ND       1.8       10       "         1,4-Dichlorobenzene       ND       1.8       10       "         3,3'-Dichlorobenzidine       ND       2.9       20       "         2,4-Dichlorophenol       ND       0.47       10       "         Diethyl phthalate       ND       0.42       10       "         2,4-Dimethylphenol       ND       1.4       10       "	Dibenzofuran	ND	1.1	10	"	
1,3-Dichlorobenzene       ND       1.8       10       "         1,4-Dichlorobenzene       ND       1.8       10       "         3,3'-Dichlorobenzidine       ND       2.9       20       "         2,4-Dichlorophenol       ND       0.47       10       "         Diethyl phthalate       ND       0.42       10       "         2,4-Dimethylphenol       ND       1.4       10       "	Di-n-butyl phthalate	ND	1.1	10	"	
1,4-Dichlorobenzene       ND       1.8       10       "         3,3'-Dichlorobenzidine       ND       2.9       20       "         2,4-Dichlorophenol       ND       0.47       10       "         Diethyl phthalate       ND       0.42       10       "         2,4-Dimethylphenol       ND       1.4       10       "	1,2-Dichlorobenzene	ND	1.8	10	"	
3,3´-Dichlorobenzidine       ND       2.9       20       "         2,4-Dichlorophenol       ND       0.47       10       "         Diethyl phthalate       ND       0.42       10       "         2,4-Dimethylphenol       ND       1.4       10       "	1,3-Dichlorobenzene	ND	1.8	10	"	
2,4-Dichlorophenol       ND       0.47       10       "         Diethyl phthalate       ND       0.42       10       "         2,4-Dimethylphenol       ND       1.4       10       "	1,4-Dichlorobenzene	ND	1.8	10	"	
Diethyl phthalate ND 0.42 10 " 2,4-Dimethylphenol ND 1.4 10 "	3,3´-Dichlorobenzidine	ND	2.9	20	"	
2,4-Dimethylphenol ND 1.4 10 "	2,4-Dichlorophenol	ND	0.47	10	"	
	Diethyl phthalate	ND	0.42	10	"	
Dimethyl phthalate ND 0.56 10 "	2,4-Dimethylphenol	ND	1.4	10	"	
	Dimethyl phthalate	ND	0.56	10	"	

Sequoia Analytical - Petaluma



# Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Petaluma

			Reporting		Spike	Source		%REC		RPD	
Analyte	Result	MDL	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

#### Batch 3080223 - EPA 3520B LiqLiquid

Blank (3080223-BLK1)					Prepared: 08/12/03 Analyzed: 08/26/03
4,6-Dinitro-2-methylphenol	ND	3.4	50	ug/l	•
2,4-Dinitrophenol	ND	2.3	50	"	
2,4-Dinitrotoluene	ND	0.82	10	"	
2,6-Dinitrotoluene	ND	0.76	10	"	
Di-n-octyl phthalate	ND	0.81	10	"	
Fluoranthene	ND	0.44	10	"	
Fluorene	ND	1.0	10	"	
Hexachlorobenzene	ND	0.79	10	"	
Hexachlorobutadiene	ND	1.5	10	"	
Hexachlorocyclopentadiene	ND	0.31	10	"	
Hexachloroethane	ND	1.7	10	"	
Indeno (1,2,3-cd) pyrene	ND	0.61	10	"	
Isophorone	ND	0.71	10	"	
2-Methylnaphthalene	ND	1.4	10	"	
2-Methylphenol	ND	3.4	10	"	
4-Methylphenol	ND	3.0	10	"	
Naphthalene	ND	1.6	10	"	
2-Nitroaniline	ND	0.69	50	"	
3-Nitroaniline	ND	0.54	50	"	
4-Nitroaniline	ND	0.61	50	"	
Nitrobenzene	ND	1.3	10	"	
2-Nitrophenol	ND	0.42	10	"	
4-Nitrophenol	ND	0.51	50	"	
N-Nitrosodimethylamine	ND	1.4	20	"	
N-Nitrosodiphenylamine	ND	3.9	10	"	
N-Nitrosodi-n-propylamine	ND	0.58	10	"	
Pentachlorophenol	ND	3.1	50	"	
Phenanthrene	ND	0.56	10	"	
Phenol	ND	0.48	10	"	
Pyrene	ND	0.28	10	"	
Pyridine	ND	3.8	10	"	
1,2,4-Trichlorobenzene	ND	1.7	10	"	
2,4,5-Trichlorophenol	ND	0.61	10	"	
2,4,6-Trichlorophenol	ND	0.31	10	"	

Sequoia Analytical - Petaluma



# Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Petaluma

			Reporting		Spike	Source		%REC		RPD		
Analyte	Result	MDL	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	

Batch 3	3080223 -	<b>EPA</b>	3520B	LiaL	iauid
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Blank (3080223-BLK1)					Prepared: 08	8/12/03 Analyzed	d: 08/26/03			
Surrogate: 2-Fluorophenol	80.9			ug/l	150	54	15-103			,
Surrogate: Phenol-d6	101			"	150	67	18-115			
Surrogate: Nitrobenzene-d5	76.7			"	100	77	39-103			
Surrogate: 2-Fluorobiphenyl	73.5			"	100	74	40-124			
Surrogate: 2,4,6-Tribromophenol	124			"	150	83	11-142			
Surrogate: Terphenyl-d14	113			"	100	113	56-139			
<b>Laboratory Control Sample (30802</b>	223-BS1)				Prepared: 08	8/12/03 Analyze	d: 08/26/03			
Acenaphthene	96.6	1.2	10	ug/l	100	97	58-120			
4-Chloro-3-methylphenol	104	2.3	20	"	100	104	51-116			
2-Chlorophenol	85.8	0.31	10	"	100	86	28-111			
1,4-Dichlorobenzene	79.9	1.8	10	"	100	80	29-108			
2,4-Dinitrotoluene	122	0.82	10	"	100	122	60-114			Q-LIM
4-Nitrophenol	102	0.51	50	"	100	102	25-148			
N-Nitrosodi-n-propylamine	88.1	0.58	10	"	100	88	29-119			
Pentachlorophenol	108	3.1	50	"	100	108	40-131			
Phenol	77.2	0.48	10	"	100	77	22-117			
Pyrene	116	0.28	10	"	100	116	52-127			
1,2,4-Trichlorobenzene	90.6	1.7	10	"	100	91	24-131			
Surrogate: 2-Fluorophenol	100			"	150	67	15-103			
Surrogate: Phenol-d6	117			"	150	78	18-115			
Surrogate: Nitrobenzene-d5	93.3			"	100	93	39-103			
Surrogate: 2-Fluorobiphenyl	95.5			"	100	96	40-124			
Surrogate: 2,4,6-Tribromophenol	168			"	150	112	11-142			
Surrogate: Terphenyl-d14	116			"	100	116	56-139			
<b>Laboratory Control Sample Dup (</b> 3	3080223-BSD	1)			Prepared: 08	8/12/03 Analyze	1: 08/26/03			
Acenaphthene	99.4	1.2	10	ug/l	100	99	58-120	3	27	
4-Chloro-3-methylphenol	105	2.3	20	"	100	105	51-116	1	30	
2-Chlorophenol	87.0	0.31	10	"	100	87	28-111	1	39	
1,4-Dichlorobenzene	80.0	1.8	10	"	100	80	29-108	0.1	41	
2,4-Dinitrotoluene	125	0.82	10	"	100	125	60-114	2	22	Q-LIM
4-Nitrophenol	99.4	0.51	50	"	100	99	25-148	3	44	
N-Nitrosodi-n-propylamine	88.5	0.58	10	"	100	88	29-119	0.5	44	
Pentachlorophenol	110	3.1	50	"	100	110	40-131	2	33	

Sequoia Analytical - Petaluma

RPD



Environmental Resources Management Project: Aerojet RI/FS P308192
2525 Natomas Park Drive, Suite 350 Project Number: N/A Reported:
Sacramento CA, 95833 Project Manager: Bruce Lewis 09/02/03 17:33

Reporting

# Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Petaluma

Spike

Source

%REC

			Reporting		Spike	Source		%KEC		KrD	
Analyte	Result	MDL	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3080223 - EPA 3520B Liq	Liquid										
Laboratory Control Sample Dup (	3080223-BSD	1)			Prepared:	08/12/03	Analyzed	1: 08/26/03			
Phenol	77.8	0.48	10	ug/l	100		78	22-117	0.8	33	
Pyrene	120	0.28	10	"	100		120	52-127	3	25	
1,2,4-Trichlorobenzene	90.2	1.7	10	"	100		90	24-131	0.4	48	
Surrogate: 2-Fluorophenol	101			"	150		67	15-103			
Surrogate: Phenol-d6	117			"	150		78	18-115			
Surrogate: Nitrobenzene-d5	93.5			"	100		94	39-103			
Surrogate: 2-Fluorobiphenyl	98.4			"	100		98	40-124			
Surrogate: 2,4,6-Tribromophenol	168			"	150		112	11-142			
Surrogate: Terphenyl-d14	120			"	100		120	56-139			
Batch 3080396 - EPA 3550A Son	nication										
Blank (3080396-BLK1)					Prepared:	08/21/03	Analyzed	1: 08/27/03			
Acenaphthene	ND	8.7	330	ug/kg							
Acenaphthylene	ND	7.6	330	"							
Anthracene	ND	14	330	"							
Azobenzene	ND	20	330	"							
Benzidine	ND	1700	1700	"							
Benzoic acid	ND	2.7	1700	"							
Benzo (a) anthracene	ND	7.6	330	"							
Benzo (b+k) fluoranthene (total)	ND	13	330	"							
Benzo (g,h,i) perylene	ND	8.8	330	"							
Benzo (a) pyrene	ND	10	330	"							
Benzyl alcohol	ND	11	660	"							
Bis(2-chloroethoxy)methane	ND	9.1	330	"							
Bis(2-chloroethyl)ether	ND	15	330	"							
Bis(2-chloroisopropyl)ether	ND	16	330	"							
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"							
4-Bromophenyl phenyl ether	ND	13	330	"							
Butyl benzyl phthalate	ND	11	330	"							
4-Chloroaniline	ND	58	660	"							
4-Chloro-3-methylphenol	ND	11	660	"							
2-Chloronaphthalene	ND	9.9	330	"							
2-Chlorophenol	ND	16	330	"							
4-Chlorophenyl phenyl ether	ND	13	330	"							

Sequoia Analytical - Petaluma



# Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Petaluma

			Reporting		Spike	Source		%REC		RPD		l
Analyte	Result	MDL	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	l

#### Batch 3080396 - EPA 3550A Sonication

Chrysene	Blank (3080396-BLK1)					Prepared: 08/21/03 Analyzed: 08/27/03
Dibenzofuran ND 9.6 330 " Di-n-butyl phthalate ND 12 330 " 1,2-Dichlorobenzene ND 16 330 " 1,4-Dichlorobenzene ND 15 330 " 1,4-Dichlorophenol ND 14 330 " 1,4-Dichlorophenol ND 15 330 " 1,4-Dichlorophenol ND 16 330 " 1,4-Dinitro-2-methylphenol ND 17 1700 " 1,4-Dinitro-2-methylphenol ND 17 1700 " 1,4-Dinitro-1uene ND 13 330 " 1,4-Dinitro-1uene ND 11 330 " 1,5-Dinitro-1uene ND 17 330 " 1,5-Dinitro-1uene ND 17 330 " 1,5-Dinitro-1uene ND 15 330 " 1,5-Dinitro-1uene ND 16 330 " 1,5-Dinitro-1uene ND 17 330 " 1,5-Dinitro-1uene ND 11 3		ND	11	330	ug/kg	
Din-buty  phthalate   ND   12   330   "	Dibenz (a,h) anthracene	ND	18	330	"	
1,2-Dichlorobenzene   ND	Dibenzofuran	ND	9.6	330	"	
1,3-Dichlorobenzene   ND	Di-n-butyl phthalate	ND	12	330	"	
I,4-Dichlorobenzene         ND         15         330         "           3,3'-Dichlorobenzidine         ND         44         660         "           2,4-Dichlorophenol         ND         15         330         "           Dicithyl phthalate         ND         14         330         "           2,4-Dimitrodylphenol         ND         17         1700         "           2,4-Dinitrodylphenol         ND         17         1700         "           2,4-Dinitrotoluene         ND         10         170         "           2,4-Dinitrotoluene         ND         13         330         "           2,4-Dinitrotoluene         ND         11         330         "           2,4-Dinitrotoluene         ND         13         330         "           1-octyl phthalate         ND         11         330         "           Fluoranthene         ND         11         330         "           Hevachlorobutadiene         ND         15         330         "           Hexachlorobutadiene         ND         17         330         "           Hexachlorobutadiene         ND         13         330         "	1,2-Dichlorobenzene	ND	16	330	"	
ND	1,3-Dichlorobenzene	ND	14	330	"	
ND   15   330   "	1,4-Dichlorobenzene	ND	15	330	"	
Diethyl phthalate         ND         14         330         "           2,4-Dimethyl phenol         ND         36         330         "           Dimethyl phthalate         ND         11         330         "           4,6-Dinitro-2-methylphenol         ND         17         1700         "           2,4-Dinitrotoluene         ND         10         1700         "           2,4-Dinitrotoluene         ND         13         330         "           2,6-Dinitrotoluene         ND         11         330         "           2,6-Dinitrotoluene         ND         11         330         "           Pluoranthene         ND         11         330         "           Fluorene         ND         7,9         330         "           Hexachlorobenzene         ND         15         330         "           Hexachlorocyclopentadiene         ND         17         330         "           Hexachlorocyclopentadiene         ND         17         330         "           Hexachlorocyclopentadiene         ND         13         330         "           Leachtylphanore         ND         14         330         " <tr< td=""><td>3,3´-Dichlorobenzidine</td><td>ND</td><td>44</td><td>660</td><td>"</td><td></td></tr<>	3,3´-Dichlorobenzidine	ND	44	660	"	
2.4-Dimethylphenol         ND         36         330         "           Dimethyl phthalate         ND         11         330         "           4.6-Dinitro-2-methylphenol         ND         17         1700         "           2.4-Dinitrophenol         ND         10         1700         "           2.4-Dinitrophenol         ND         13         330         "           2.6-Dinitrophenol         ND         11         330         "           Fluoranthene         ND         11         330         "           Fluoranthene         ND         11         330         "           Hexachlorobenzene         ND         15         330         "           Hexachlorocytopentadiene         ND         17         330         "           Ideachlorocytopentadiene         ND         11         330         "           Isophorone         ND         13         330         "	2,4-Dichlorophenol	ND	15	330	"	
Dimethyl phthalate   ND	Diethyl phthalate	ND	14	330	"	
4,6-Dinitro-2-methylphenol         ND         17         1700         "           2,4-Dinitrophenol         ND         10         1700         "           2,4-Dinitrotoluene         ND         20         330         "           2,6-Dinitrotoluene         ND         13         330         "           Di-n-octyl phthalate         ND         11         330         "           Fluoranthene         ND         11         330         "           Fluorene         ND         7.9         330         "           Hexachlorobenzene         ND         17         330         "           Hexachlorocyclopentadiene         ND         11         330         "           Indeno (1,2,3-cd) pyrene         ND         14         330         "           Isophorone         ND         16         330         "           2-Methylphenol         ND         16         330         "	2,4-Dimethylphenol	ND	36	330	"	
2,4-Dinitrophenol         ND         10         1700         "           2,4-Dinitrotoluene         ND         20         330         "           2,6-Dinitrotoluene         ND         13         330         "           Di-n-octyl phthalate         ND         11         330         "           Fluoranthene         ND         11         330         "           Fluorene         ND         7.9         330         "           Hexachlorobetzene         ND         15         330         "           Hexachlorobtadiene         ND         17         330         "           Hexachlorocyclopentadiene         ND         17         330         "           Hexachlorocyclopentadiene         ND         17         330         "           Indeno (1,2,3-cd) pyrene         ND         11         330         "           Isophorone         ND         14         330         "           2-Methylphenol         ND         16         330         "           4-Methylphenol         ND         13         330         "           2-Nitroaniline         ND         17         1700         "           3-Nitroanil	Dimethyl phthalate	ND	11	330	"	
2,4-Dinitrotoluene	4,6-Dinitro-2-methylphenol	ND	17	1700	"	
2,6-Dinitrotoluene         ND         13         330         "           Di-n-octyl phthalate         ND         11         330         "           Fluoranthene         ND         11         330         "           Fluorene         ND         7.9         330         "           Hexachlorobenzene         ND         15         330         "           Hexachlorocyclopentadiene         ND         17         330         "           Hexachlorocyclopentadiene         ND         11         330         "           Indeno (1,2,3-cd) pyrene         ND         11         330         "           Isophorone         ND         14         330         "           2-Methylnaphthalene         ND         16         330         "           4-Methylphenol         ND         13         330         "           2-Nitroaniline         ND         18         170         " <tr< td=""><td>2,4-Dinitrophenol</td><td>ND</td><td>10</td><td>1700</td><td>"</td><td></td></tr<>	2,4-Dinitrophenol	ND	10	1700	"	
Di-n-octyl phthalate ND 11 330 " Fluoranthene ND 11 330 " Fluoranthene ND 7.9 330 " Fluorene ND 15 330 " Hexachlorobenzene ND 17 330 " Hexachlorobutadiene ND 17 330 " Hexachlorocyclopentadiene ND 10 330 " Hexachlorocyclopentadiene ND 11 330 " Indeno (1,2,3-cd) pyrene ND 11 330 " Isophorone ND 14 330 " Isophorone ND 14 330 " 2-Methylnaphthalene ND 10 330 " 2-Methylnaphthalene ND 11 330 " 2-Methylphenol ND 16 330 " 4-Methylphenol ND 11 330 " 3-Nitroaniline ND 13 330 " 3-Nitroaniline ND 15 17 1700 " 3-Nitroaniline ND 18 1700 " 4-Nitrobenzene ND 16 330 "	2,4-Dinitrotoluene	ND	20	330	"	
Fluoranthene         ND         11         330         "           Fluorene         ND         7.9         330         "           Hexachlorobenzene         ND         15         330         "           Hexachlorobutadiene         ND         17         330         "           Hexachlorocyclopentadiene         ND         10         330         "           Hexachlorochtane         ND         17         330         "           Indeno (1,2,3-cd) pyrene         ND         11         330         "           Isophorone         ND         14         330         "           2-Methylnaphthalene         ND         10         330         "           4-Methylphenol         ND         16         330         "           Naphthalene         ND         13         330         "           2-Nitroaniline         ND         17         1700         "           3-Nitroaniline         ND         18         1700         "           4-Nitroaniline         ND         16         330         "           Nitrobenzene         ND         16         330         "	2,6-Dinitrotoluene	ND	13	330	"	
Fluorene         ND         7.9         330         "           Hexachlorobenzene         ND         15         330         "           Hexachlorobutadiene         ND         17         330         "           Hexachlorocyclopentadiene         ND         10         330         "           Hexachlorochtane         ND         17         330         "           Indeno (1,2,3-cd) pyrene         ND         11         330         "           Isophorone         ND         14         330         "           2-Methylnaphthalene         ND         10         330         "           4-Methylphenol         ND         11         330         "           Naphthalene         ND         13         330         "           2-Nitroaniline         ND         17         1700         "           3-Nitroaniline         ND         18         1700         "           ND         16         330         "           1-Nitrobenzene         ND         16         330         "	Di-n-octyl phthalate	ND	11	330	"	
Hexachlorobenzene         ND         15         330         "           Hexachlorobutadiene         ND         17         330         "           Hexachlorocyclopentadiene         ND         10         330         "           Hexachlorocthane         ND         17         330         "           Indeno (1,2,3-cd) pyrene         ND         11         330         "           Isophorone         ND         14         330         "           2-Methylnaphthalene         ND         10         330         "           4-Methylphenol         ND         16         330         "           Naphthalene         ND         13         330         "           2-Nitroaniline         ND         17         1700         "           3-Nitroaniline         ND         18         1700         "           4-Nitrobenzene         ND         16         330         "	Fluoranthene	ND	11	330	"	
Hexachlorobutadiene         ND         17         330         "           Hexachlorocyclopentadiene         ND         10         330         "           Hexachlorocyclopentadiene         ND         17         330         "           Indeno (1,2,3-cd) pyrene         ND         11         330         "           Isophorone         ND         14         330         "           2-Methylnaphthalene         ND         10         330         "           2-Methylphenol         ND         16         330         "           4-Methylphenol         ND         11         330         "           Naphthalene         ND         13         330         "           2-Nitroaniline         ND         17         1700         "           3-Nitroaniline         ND         18         1700         "           4-Nitrobenzene         ND         16         330         "	Fluorene	ND	7.9	330	"	
Hexachlorocyclopentadiene         ND         10         330         "           Hexachlorocyclopentadiene         ND         17         330         "           Indeno (1,2,3-cd) pyrene         ND         11         330         "           Isophorone         ND         14         330         "           2-Methylnaphthalene         ND         10         330         "           2-Methylphenol         ND         16         330         "           4-Methylphenol         ND         11         330         "           Naphthalene         ND         13         330         "           2-Nitroaniline         ND         17         1700         "           3-Nitroaniline         ND         18         1700         "           4-Nitrobenzene         ND         16         330         "	Hexachlorobenzene	ND	15	330	"	
Hexachloroethane         ND         17         330         "           Indeno (1,2,3-cd) pyrene         ND         11         330         "           Isophorone         ND         14         330         "           2-Methylnaphthalene         ND         10         330         "           2-Methylphenol         ND         16         330         "           4-Methylphenol         ND         11         330         "           2-Nitroaniline         ND         13         330         "           2-Nitroaniline         ND         17         1700         "           3-Nitroaniline         ND         18         1700         "           4-Nitroaniline         ND         22         1700         "           Nitrobenzene         ND         16         330         "	Hexachlorobutadiene	ND	17	330	"	
Indeno (1,2,3-cd) pyrene         ND         11         330         "           Isophorone         ND         14         330         "           2-Methylnaphthalene         ND         10         330         "           2-Methylphenol         ND         16         330         "           4-Methylphenol         ND         11         330         "           Naphthalene         ND         13         330         "           2-Nitroaniline         ND         17         1700         "           3-Nitroaniline         ND         18         1700         "           4-Nitroaniline         ND         22         1700         "           Nitrobenzene         ND         16         330         "	Hexachlorocyclopentadiene	ND	10	330	"	
Isophorone         ND         14         330         "           2-Methylnaphthalene         ND         10         330         "           2-Methylphenol         ND         16         330         "           4-Methylphenol         ND         11         330         "           Naphthalene         ND         13         330         "           2-Nitroaniline         ND         17         1700         "           3-Nitroaniline         ND         18         1700         "           4-Nitroaniline         ND         22         1700         "           Nitrobenzene         ND         16         330         "	Hexachloroethane	ND	17	330	"	
2-Methylnaphthalene ND 10 330 " 2-Methylphenol ND 16 330 " 4-Methylphenol ND 11 330 " Naphthalene ND 13 330 " 2-Nitroaniline ND 17 1700 " 3-Nitroaniline ND 18 1700 " 4-Nitroaniline ND 16 330 "  ND 17 1700 " ND 18 18 18 18 18 18 18 18 18 18 18 18 18	Indeno (1,2,3-cd) pyrene	ND	11	330	"	
2-Methylphenol ND 16 330 " 4-Methylphenol ND 11 330 " Naphthalene ND 13 330 " 2-Nitroaniline ND 17 1700 " 3-Nitroaniline ND 18 1700 " 4-Nitroaniline ND 22 1700 " Nitrobenzene ND 16 330 "	Isophorone	ND	14	330	"	
4-Methylphenol ND 11 330 " Naphthalene ND 13 330 " 2-Nitroaniline ND 17 1700 " 3-Nitroaniline ND 18 1700 " 4-Nitroaniline ND 22 1700 " Nitrobenzene ND 16 330 "	2-Methylnaphthalene	ND	10	330	"	
Naphthalene         ND         13         330         "           2-Nitroaniline         ND         17         1700         "           3-Nitroaniline         ND         18         1700         "           4-Nitroaniline         ND         22         1700         "           Nitrobenzene         ND         16         330         "	2-Methylphenol	ND	16	330	"	
2-Nitroaniline       ND       17       1700       "         3-Nitroaniline       ND       18       1700       "         4-Nitroaniline       ND       22       1700       "         Nitrobenzene       ND       16       330       "	4-Methylphenol	ND	11	330	"	
3-Nitroaniline         ND         18         1700         "           4-Nitroaniline         ND         22         1700         "           Nitrobenzene         ND         16         330         "	Naphthalene	ND	13	330	"	
4-Nitroaniline ND 22 1700 "  Nitrobenzene ND 16 330 "	2-Nitroaniline	ND	17	1700	"	
Nitrobenzene ND 16 330 "	3-Nitroaniline	ND	18	1700	"	
Tuttobelizetic To 350	4-Nitroaniline	ND	22	1700	"	
2-Nitrophenol ND 14 330 "	Nitrobenzene	ND	16	330	"	
	2-Nitrophenol	ND	14	330	"	

Sequoia Analytical - Petaluma

RPD



Environmental Resources Management Project: Aerojet RI/FS P308192
2525 Natomas Park Drive, Suite 350 Project Number: N/A Reported:
Sacramento CA, 95833 Project Manager: Bruce Lewis 09/02/03 17:33

Reporting

# Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Petaluma

Spike

Source

%REC

Analyte	Result	MDL	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3080396 - EPA 3550A Son	nication										
Blank (3080396-BLK1)					Prepared:	08/21/03	Analyzed	: 08/27/03			
4-Nitrophenol	ND	23	1700	ug/kg	•						
N-Nitrosodimethylamine	ND	16	330	"							
N-Nitrosodiphenylamine	ND	17	330	"							
N-Nitrosodi-n-propylamine	ND	15	330	"							
Pentachlorophenol	ND	12	1700	"							
Phenanthrene	ND	14	330	"							
Phenol	ND	12	330	"							
Pyrene	ND	12	330	"							
1,2,4-Trichlorobenzene	ND	15	330	"							
2,4,5-Trichlorophenol	ND	14	330	"							
2,4,6-Trichlorophenol	ND	9.4	330	"							
Surrogate: 2-Fluorophenol	2640			"	5000		53	11-120			
Surrogate: Phenol-d6	3060			"	5000		61	16-130			
Surrogate: Nitrobenzene-d5	2060			"	3330		62	16-126			
Surrogate: 2-Fluorobiphenyl	2310			"	3330		69	28-134			
Surrogate: 2,4,6-Tribromophenol	3840			"	5000		77	51-144			
Surrogate: Terphenyl-d14	3290			"	3330		99	64-119			
Laboratory Control Sample (30803	396-BS1)				Prepared:	08/21/03	Analyzed	: 08/27/03			
Acenaphthene	2770	8.7	330	ug/kg	3330		83	34-114			
4-Chloro-3-methylphenol	2890	11	660	"	3330		87	24-118			
2-Chlorophenol	2420	16	330	"	3330		73	29-101			
1,4-Dichlorobenzene	2270	15	330	"	3330		68	25-104			
2,4-Dinitrotoluene	3520	20	330	"	3330		106	42-116			
4-Nitrophenol	3180	23	1700	"	3330		95	31-109			
N-Nitrosodi-n-propylamine	2510	15	330	"	3330		75	23-117			
Pentachlorophenol	3160	12	1700	"	3330		95	34-114			
Phenol	2340	12	330	"	3330		70	20-105			
Pyrene	3500	12	330	"	3330		105	30-124			
1,2,4-Trichlorobenzene	2610	15	330	"	3330		78	28-112			
Surrogate: 2-Fluorophenol	3070			"	5000		61	11-120			
Surrogate: Phenol-d6	3310			"	5000		66	16-130			
Surrogate: Nitrobenzene-d5	2430			"	3330		73	16-126			
Surrogate: 2-Fluorobiphenyl	2600			"	3330		78	28-134			
Surrogate: 2,4,6-Tribromophenol	4690			"	5000		94	51-144			

Sequoia Analytical - Petaluma



# Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Petaluma

			Reporting		Spike	Source		%REC		RPD	
Analyte	Result	MDL	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

#### Batch 3080396 - EPA 3550A Sonication

<b>Laboratory Control Sample (3080396</b>		Prepared:	08/21/03	Analyze	d: 08/27/03						
Surrogate: Terphenyl-d14	3410			ug/kg	3330		102	64-119			
Matrix Spike (3080396-MS1)	Sou	rce: P30818	4-01		Prepared:	08/21/03	Analyze	d: 08/27/03			
Acenaphthene	2760	8.7	330	ug/kg	3330	ND	83	30-110			
4-Chloro-3-methylphenol	2930	11	660	"	3330	ND	88	27-109			
2-Chlorophenol	2330	16	330	"	3330	ND	70	24-98			
1,4-Dichlorobenzene	1990	15	330	"	3330	ND	60	24-89			
2,4-Dinitrotoluene	3590	20	330	"	3330	ND	108	35-110			
4-Nitrophenol	3280	23	1700	"	3330	ND	98	20-110			
N-Nitrosodi-n-propylamine	2350	15	330	"	3330	ND	71	23-109			
Pentachlorophenol	3030	12	1700	"	3330	ND	91	25-123			
Phenol	2260	12	330	"	3330	ND	68	19-100			
Pyrene	3550	12	330	"	3330	ND	107	12-131			
1,2,4-Trichlorobenzene	2460	15	330	"	3330	ND	74	17-110			
Surrogate: 2-Fluorophenol	3130			"	5000		63	11-120			
Surrogate: Phenol-d6	3450			"	5000		69	16-130			
Surrogate: Nitrobenzene-d5	2510			"	3330		75	16-126			
Surrogate: 2-Fluorobiphenyl	2690			"	3330		81	28-134			
Surrogate: 2,4,6-Tribromophenol	5150			"	5000		103	51-144			
Surrogate: Terphenyl-d14	3680			"	3330		111	64-119			
Matrix Spike Dup (3080396-MSD1)	Sou	rce: P30818	4-01		Prepared:	08/21/03	Analyze	d: 08/27/03			
Acenaphthene	3030	8.7	330	ug/kg	3330	ND	91	30-110	9	26	
4-Chloro-3-methylphenol	3190	11	660	"	3330	ND	96	27-109	8	21	
2-Chlorophenol	2580	16	330	"	3330	ND	77	24-98	10	27	
1,4-Dichlorobenzene	2180	15	330	"	3330	ND	65	24-89	9	25	
2,4-Dinitrotoluene	3690	20	330	"	3330	ND	111	35-110	3	15	QM-07
4-Nitrophenol	3280	23	1700	"	3330	ND	98	20-110	0	23	
N-Nitrosodi-n-propylamine	2660	15	330	"	3330	ND	80	23-109	12	31	
Pentachlorophenol	3120	12	1700	"	3330	ND	94	25-123	3	43	
Phenol	2440	12	330	"	3330	ND	73	19-100	8	21	
Pyrene	3550	12	330	"	3330	ND	107	12-131	0	26	
1,2,4-Trichlorobenzene	2750	15	330	"	3330	ND	83	17-110	11	30	
Surrogate: 2-Fluorophenol	3420			"	5000		68	11-120			
Surrogate: Phenol-d6	3720			"	5000		74	16-130			

Sequoia Analytical - Petaluma



P308192 **Environmental Resources Management** Project: Aerojet RI/FS Reported: 2525 Natomas Park Drive, Suite 350 Project Number: N/A 09/02/03 17:33 Sacramento CA, 95833 Project Manager: Bruce Lewis

# Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Petaluma

			Reporting		Spike	Source		%REC		RPD		l
Analyte	Result	MDL	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	l

#### Batch 3080396 - EPA 3550A Sonication

Matrix Spike Dup (3080396-MSD1)	Source: P308184-01		Prepared: 08/	21/03 Analyzed	: 08/27/03
Surrogate: Nitrobenzene-d5	2790	ug/kg	3330	84	16-126
Surrogate: 2-Fluorobiphenyl	2990	"	3330	90	28-134
Surrogate: 2,4,6-Tribromophenol	5150	"	5000	103	51-144
Surrogate: Terphenyl-d14	3680	"	3330	111	64-119

Batch 3080442 - EPA 3550A Soni	ication			
Blank (3080442-BLK1)				
Aniline	ND	10	330	ug/kg
Acenaphthene	ND	8.7	330	"
Anthracene	ND	14	330	"
Azobenzene	ND	20	330	"
Benzidine	ND	1700	1700	"
Benzoic acid	ND	2.7	1700	"
Benzo (a) anthracene	ND	7.6	330	"
Benzo (b+k) fluoranthene (total)	ND	13	330	"
Benzo (g,h,i) perylene	ND	8.8	330	"
Benzo (a) pyrene	ND	10	330	"
Benzyl alcohol	ND	11	660	"
Bis(2-chloroethyl)ether	ND	15	330	"
Bis(2-chloroisopropyl)ether	ND	16	330	"
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"
Butyl benzyl phthalate	ND	11	330	"
4-Chloroaniline	ND	58	660	"
2-Chloronaphthalene	ND	9.9	330	"
2-Chlorophenol	ND	16	330	"
Chrysene	ND	11	330	"
Dibenz (a,h) anthracene	ND	18	330	"
Dibenzofuran	ND	9.6	330	"
Di-n-butyl phthalate	ND	12	330	"
1,2-Dichlorobenzene	ND	16	330	"
1,3-Dichlorobenzene	ND	14	330	"
1,4-Dichlorobenzene	ND	15	330	"
3,3´-Dichlorobenzidine	ND	44	660	"
2,4-Dichlorophenol	ND	15	330	"

Sequoia Analytical - Petaluma



# Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Petaluma

			Reporting		Spike	Source		%REC		RPD		l
Analyte	Result	MDL	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	l

<b>Batch 30804</b>	42 - EPA	3550A	Sonication
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Blank (3080442-BLK1)					Prepared: 08/22/03 Analyzed: 08/25/03
Diethyl phthalate	ND	14	330	ug/kg	
2,4-Dimethylphenol	ND	36	330	"	
Dimethyl phthalate	ND	11	330	"	
2,4-Dinitrophenol	ND	10	1700	"	
2,4-Dinitrotoluene	ND	20	330	"	
2,6-Dinitrotoluene	ND	13	330	"	
Di-n-octyl phthalate	ND	11	330	"	
Fluoranthene	ND	11	330	"	
Fluorene	ND	7.9	330	"	
Hexachlorobenzene	ND	15	330	"	
Hexachlorobutadiene	ND	17	330	"	
Hexachlorocyclopentadiene	ND	10	330	"	
Hexachloroethane	ND	17	330	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	
Isophorone	ND	14	330	"	
2-Methylphenol	ND	16	330	"	
4-Methylphenol	ND	11	330	"	
Naphthalene	ND	13	330	"	
2-Nitroaniline	ND	17	1700	"	
Nitrobenzene	ND	16	330	"	
4-Nitrophenol	ND	23	1700	"	
N-Nitrosodiphenylamine	ND	17	330	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	
Pentachlorophenol	ND	12	1700	"	
Phenol	ND	12	330	"	
Pyrene	ND	12	330	"	
1,2,4-Trichlorobenzene	ND	15	330	"	
2,4,5-Trichlorophenol	ND	14	330	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	
Surrogate: 2-Fluorophenol	2680			"	5000 54 11-120
Surrogate: Phenol-d6	3110			"	5000 62 16-130
Surrogate: Nitrobenzene-d5	2150			"	3330 65 16-126
Surrogate: 2-Fluorobiphenyl	2460			"	3330 74 28-134
Surrogate: 2,4,6-Tribromophenol	4360			"	5000 87 51-144

Sequoia Analytical - Petaluma



# Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Petaluma

				Reporting		Spike	Source		%REC		RPD	
Α	analyte	Result	MDL	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 30804	142 - EPA	3550A	Sonication
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Blank (3080442-BLK1)					Prepared:	08/22/03	Analyzed	1: 08/25/03
Surrogate: Terphenyl-d14	3710			ug/kg	3330		111	64-119
Laboratory Control Sample (30804	142-BS1)				Prepared:	08/22/03	Analyzed	1: 08/25/03
Acenaphthene	2930	8.7	330	ug/kg	3330		88	34-114
2-Chlorophenol	2470	16	330	"	3330		74	29-101
1,4-Dichlorobenzene	2210	15	330	"	3330		66	25-104
2,4-Dinitrotoluene	3640	20	330	"	3330		109	42-116
4-Nitrophenol	3090	23	1700	"	3330		93	31-109
N-Nitrosodi-n-propylamine	2600	15	330	"	3330		78	23-117
Pentachlorophenol	3100	12	1700	"	3330		93	34-114
Phenol	2370	12	330	"	3330		71	20-105
Pyrene	3590	12	330	"	3330		108	30-124
1,2,4-Trichlorobenzene	2650	15	330	"	3330		80	28-112
Surrogate: 2-Fluorophenol	3300			"	5000		66	11-120
Surrogate: Phenol-d6	3530			"	5000		71	16-130
Surrogate: Nitrobenzene-d5	2650			"	3330		80	16-126
Surrogate: 2-Fluorobiphenyl	2900			"	3330		87	28-134
Surrogate: 2,4,6-Tribromophenol	5000			"	5000		100	51-144
Surrogate: Terphenyl-d14	3710			"	3330		111	64-119
Matrix Spike (3080442-MS1)	Sour	ce: P30840	06-10		Prepared:	08/22/03	Analyzed	1: 08/25/03
Acenaphthene	3020	8.7	330	ug/kg	3330	ND	91	30-110
2-Chlorophenol	2580	16	330	"	3330	ND	77	24-98
1,4-Dichlorobenzene	2030	15	330	"	3330	ND	61	24-89
2,4-Dinitrotoluene	3640	20	330	"	3330	ND	109	35-110
4-Nitrophenol	3220	23	1700	"	3330	ND	97	20-110
N-Nitrosodi-n-propylamine	2720	15	330	"	3330	ND	82	23-109
Pentachlorophenol	3280	12	1700	"	3330	ND	98	25-123
Phenol	2450	12	330	"	3330	ND	74	19-100
Pyrene	3590	12	330	"	3330	ND	108	12-131
1,2,4-Trichlorobenzene	2660	15	330	"	3330	ND	80	17-110
Surrogate: 2-Fluorophenol	3390			"	5000		68	11-120
Surrogate: Phenol-d6	3690			"	5000		74	16-130
Surrogate: Nitrobenzene-d5	2790			"	3330		84	16-126
Surrogate: 2-Fluorobiphenyl	3040			"	3330		91	28-134

Sequoia Analytical - Petaluma



# Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Petaluma

			Reporting		Spike	Source		%REC		RPD		
Analyte	Result	MDL	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	i

#### Batch 3080442 - EPA 3550A Sonication

Matrix Spike (3080442-MS1)	Sour	rce: P30840	06-10		Prepared:	08/22/03	Analyze	d: 08/25/03
Surrogate: 2,4,6-Tribromophenol	5230			ug/kg	5000		105	51-144
Surrogate: Terphenyl-d14	3810			"	3330		114	64-119
Matrix Spike (3080442-MS2)	Sour	rce: P30840	)6-11		Prepared:	08/22/03	Analyze	1: 08/25/03
Acenaphthene	2930	8.7	330	ug/kg	3330	ND	88	30-110
2-Chlorophenol	2420	16	330	"	3330	ND	73	24-98
1,4-Dichlorobenzene	1940	15	330	"	3330	ND	58	24-89
2,4-Dinitrotoluene	3450	20	330	"	3330	ND	104	35-110
4-Nitrophenol	3060	23	1700	"	3330	ND	92	20-110
N-Nitrosodi-n-propylamine	2580	15	330	"	3330	ND	77	23-109
Pentachlorophenol	3140	12	1700	"	3330	ND	94	25-123
Phenol	2350	12	330	"	3330	ND	71	19-100
Pyrene	3500	12	330	"	3330	ND	105	12-131
1,2,4-Trichlorobenzene	2520	15	330	"	3330	ND	76	17-110
Surrogate: 2-Fluorophenol	3180			"	5000		64	11-120
Surrogate: Phenol-d6	3540			"	5000		71	16-130
Surrogate: Nitrobenzene-d5	2600			"	3330		78	16-126
Surrogate: 2-Fluorobiphenyl	2870			"	3330		86	28-134
Surrogate: 2,4,6-Tribromophenol	5040			"	5000		101	51-144
Surrogate: Terphenyl-d14	3630			"	3330		109	64-119
Matrix Spike (3080442-MS3)	Sour	rce: P30840	06-12		Prepared:	08/22/03	Analyzed	1: 08/25/03
Acenaphthene	2850	8.7	330	ug/kg	3330	ND	86	30-110
2-Chlorophenol	2320	16	330	"	3330	ND	70	24-98
1,4-Dichlorobenzene	1790	15	330	"	3330	ND	54	24-89
2,4-Dinitrotoluene	3540	20	330	"	3330	ND	106	35-110
4-Nitrophenol	3100	23	1700	"	3330	ND	93	20-110
N-Nitrosodi-n-propylamine	2440	15	330	"	3330	ND	73	23-109
Pentachlorophenol	3190	12	1700	"	3330	ND	96	25-123
Phenol	2290	12	330	"	3330	ND	69	19-100
Pyrene	3570	12	330	"	3330	ND	107	12-131
1,2,4-Trichlorobenzene	2360	15	330	"	3330	ND	71	17-110
Surrogate: 2-Fluorophenol	3080			"	5000		62	11-120
Surrogate: Phenol-d6	3450			"	5000		69	16-130
Surrogate: Nitrobenzene-d5	2550			"	3330		77	16-126

Sequoia Analytical - Petaluma



# Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Petaluma

			Reporting		Spike	Source		%REC		RPD		
Analyte	Result	MDL	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	i

#### Batch 3080442 - EPA 3550A Sonication

Matrix Spike (3080442-MS3)	Sou	rce: P30840	06-12		Prepared:	08/22/03	Analyze	d: 08/25/03			
Surrogate: 2-Fluorobiphenyl	2790			ug/kg	3330		84	28-134			
Surrogate: 2,4,6-Tribromophenol	5100			"	5000		102	51-144			
Surrogate: Terphenyl-d14	3650			"	3330		110	64-119			
Matrix Spike Dup (3080442-MSD1)	Sou	rce: P30840	06-10		Prepared:	08/22/03	Analyze	d: 08/25/03			
Acenaphthene	3110	8.7	330	ug/kg	3330	ND	93	30-110	3	26	
2-Chlorophenol	2670	16	330	"	3330	ND	80	24-98	3	27	
1,4-Dichlorobenzene	2160	15	330	"	3330	ND	65	24-89	6	25	
2,4-Dinitrotoluene	3740	20	330	"	3330	ND	112	35-110	3	15	QM-07
4-Nitrophenol	3220	23	1700	"	3330	ND	97	20-110	0	23	
N-Nitrosodi-n-propylamine	2740	15	330	"	3330	ND	82	23-109	0.7	31	
Pentachlorophenol	3400	12	1700	"	3330	ND	102	25-123	4	43	
Phenol	2520	12	330	"	3330	ND	76	19-100	3	21	
Pyrene	3670	12	330	"	3330	ND	110	12-131	2	26	
1,2,4-Trichlorobenzene	2820	15	330	"	3330	ND	85	17-110	6	30	
Surrogate: 2-Fluorophenol	3570			"	5000		71	11-120			
Surrogate: Phenol-d6	3820			"	5000		76	16-130			
Surrogate: Nitrobenzene-d5	2910			"	3330		87	16-126			
Surrogate: 2-Fluorobiphenyl	3120			"	3330		94	28-134			
Surrogate: 2,4,6-Tribromophenol	5440			"	5000		109	51-144			
Surrogate: Terphenyl-d14	3810			"	3330		114	64-119			
Matrix Spike Dup (3080442-MSD2)	Sou	rce: P30840	06-11		Prepared:	08/22/03	Analyze	d: 08/25/03			
Acenaphthene	2960	8.7	330	ug/kg	3330	ND	89	30-110	1	26	
2-Chlorophenol	2400	16	330	"	3330	ND	72	24-98	0.8	27	
1,4-Dichlorobenzene	1800	15	330	"	3330	ND	54	24-89	7	25	
2,4-Dinitrotoluene	3630	20	330	"	3330	ND	109	35-110	5	15	
4-Nitrophenol	3150	23	1700	"	3330	ND	95	20-110	3	23	
N-Nitrosodi-n-propylamine	2610	15	330	"	3330	ND	78	23-109	1	31	
Pentachlorophenol	3270	12	1700	"	3330	ND	98	25-123	4	43	
Phenol	2350	12	330	"	3330	ND	71	19-100	0	21	
Pyrene	3660	12	330	"	3330	ND	110	12-131	4	26	
1,2,4-Trichlorobenzene	2470	15	330	"	3330	ND	74	17-110	2	30	
Surrogate: 2-Fluorophenol	3120			"	5000		62	11-120			
Surrogate: Phenol-d6	3560			"	5000		71	16-130			

Sequoia Analytical - Petaluma



 $\begin{array}{c} Project : \ Aerojet \ RI/FS \\ Project \ Number : \ N/A \end{array}$ 

P308192 **Reported:** 09/02/03 17:33

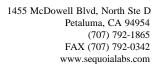
# Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Sequoia Analytical - Petaluma

Project Manager: Bruce Lewis

			Reporting		Spike	Source		%REC		RPD	
Analyte	Result	MDL	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

#### Batch 3080442 - EPA 3550A Sonication

Matrix Spike Dup (3080442-MSD2)	Sou	rce: P30840	06-11		Prepared:	08/22/03	Analyze	d: 08/25/03			
Surrogate: Nitrobenzene-d5	2660			ug/kg	3330		80	16-126			
Surrogate: 2-Fluorobiphenyl	2980			"	3330		89	28-134			
Surrogate: 2,4,6-Tribromophenol	5320			"	5000		106	51-144			
Surrogate: Terphenyl-d14	3740			"	3330		112	64-119			
Matrix Spike Dup (3080442-MSD3)	Sou	rce: P30840	06-12		Prepared:	08/22/03	Analyze	1: 08/25/03			
Acenaphthene	2910	8.7	330	ug/kg	3330	ND	87	30-110	2	26	
2-Chlorophenol	2450	16	330	"	3330	ND	74	24-98	5	27	
1,4-Dichlorobenzene	1910	15	330	"	3330	ND	57	24-89	6	25	
2,4-Dinitrotoluene	3590	20	330	"	3330	ND	108	35-110	1	15	
4-Nitrophenol	3130	23	1700	"	3330	ND	94	20-110	1	23	
N-Nitrosodi-n-propylamine	2590	15	330	"	3330	ND	78	23-109	6	31	
Pentachlorophenol	3260	12	1700	"	3330	ND	98	25-123	2	43	
Phenol	2380	12	330	"	3330	ND	71	19-100	4	21	
Pyrene	3610	12	330	"	3330	ND	108	12-131	1	26	
1,2,4-Trichlorobenzene	2520	15	330	"	3330	ND	76	17-110	7	30	
Surrogate: 2-Fluorophenol	3290			"	5000		66	11-120			
Surrogate: Phenol-d6	3570			"	5000		71	16-130			
Surrogate: Nitrobenzene-d5	2670			"	3330		80	16-126			
Surrogate: 2-Fluorobiphenyl	2890			"	3330		87	28-134			
Surrogate: 2,4,6-Tribromophenol	5220			"	5000		104	51-144			
Surrogate: Terphenyl-d14	3670			"	3330		110	64-119			





#### **Notes and Definitions**

J Estimated value.

Q-LIM The percent recovery was outside of the control limits. The samples results may still be useful for their intended purpose.

QM-07 The spike recovery was outside control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

S-LIM The surrogate recovery was outside control limits. The result may still be useful for its intended purpose.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

AMMENSHED BY JOSCHUL SECSAL BIRTIME 8/1/103 PRECEIVED BY LABORATORY BY: (SHEMITURE)  LABORATORY DELIVERED TO:	1 /9/03 OTEPLY PRINCEAUSE	CATESTIME ARECENED BY ASSOCIATIONES	Whiteams 8/8/03 1430 The though Jeelon		1118 P COOLER TEMPERATURE 37	1118 Q NOT INTACT	11.8 N	ans you make	1/ Carrie	7511 20/20/20 OH OH-10/20/20 F 81	1390-5801-35 35 08-8-03 1135 126 1 CC	H 39 D-501-50 30 08/08/03 1111 Brass / GM X	SPOID-25/25 08 68/03 1100 Bigs 1 ML	25 08/08/03 1100 KG;55 1 MC   X	20 08/08/03/1040 Exers 1 5/M X X	15 03 08/03 1012 2xes 1 GM	10 10 108/08/03 10854 2065 1	5 08/08/03 0844 2 S 1 Gm X	3 0834 2×1 1 GM	SOIL  VOLA  BNA  META  PERC  SUC	SAMPLE OS SAMPLE OT THE ORGAN S EPA CHLORATE OF THE ORGAN	CONTAIN CS CODE BICS EPA BICS EPA BICS EPA BICS EPA BICS EPA	ERS (1) 8240	WORK ORDER NO:	AEROJET Chain of Custody Record
	נדסאץ סבעועבאבט דס:	D OF SHIPMENT:	NO. OF SAMPLE CONTAINERS:				AMERICAN AND AND AND AND AND AND AND AND AND A		1.	Ch Principal memory bender a fine de de descenarios en la Principal de management										という			c analysis		

ORIGINAL - ENVIRONMENTAL OPERATIONS: WHITE 2ND COPY - LABORATORY: YELLOW 3RD COPY - SAMPLER: PINK	COMMENTS: $\mathcal{K}_{-1}$	F-(1 17A) HECEINED BY CHROHAIDHA BY: (SKIMAIDHE)	8/9/03 0740/mphicals	DATECTIME RECEIVED BY: (SYSWATURE)	HELINGUISHED BY: (SIGNATURE)  DATE/TIME  SIQ 103 1430  RECEIVED BY: (SIGNATURE)  JEWANNA  SIQ 103 1430  The first of the signature of the sign		1118 <b>P</b>	11180		1118 139845 54 54 54 54 54 54 54 54 54 54 54 54 5	K 20-5801-158 08/08/08/12/0 Flamber 1 1	J 347-561-40 40 09/09/03 1152	- WO-98-35 35 08-865 1555	H 37 D 380-30 130	75 08 08/03 1100	D-5801-25 25 25 108/03 1100	CHO S	0-5801-15 15 096803 1012	-10 10 08/08/03 DS54	B 3nD-5601-5 5 08/08/03 0844 2845 1	1118 A 39D-5B01-2,5 2.5 08/03/03 0834 2x 1 GM X	SOIL VOL	F SAMPLE ORGAN	CONTAINE CS CODE) IICS EPA 8270 6010 EDL-SW	RS 8240	WORK ORDER NO:	AEROJET Chain of Custody Record	T I
7.67.35 v. 4		LABOHATOHY DELIVERED TO:		METHOD OF SHIPMENT:	TOTAL NO. OF SAMPLE CONTAINERS:					below water level	15								_			LAB	ORATORY  SOLVEY	QA/QC	Svoc analysis	- 1		

# SEQUQIA ANALYTICAL SAMPLE RECEIPT LOG

			PONE.				_
CHENTWANE	نو چو چو	DATE Received at Lab: 8,	5)11/53	(1	(Drinking water) for	er) for	
REC. BY (PRINT)		TIME Received at Lab:	1.610	n	regulatory purposes:		YES/NO
WORKORDER: PZX/67		LOG IN DATE:	8-11-03	~	(Wastewater) for		
					regulatory purposes:	-	YES/NO
CIRCLE THE APPROPRIATE RESPONSE	SAMPLE # / #	CLIENT ID	DESCRIPTION	SAMPLE DATE MATRIX SAMPLED	DATE AMPLED	CONDITION (ETC.)	)N (ETC.)
1. Custody Scal(s) Present Absent		39D-SB01-2,5	JWWC	Cs	8 8 03		
		5					
2. Chain-of-Custody Presend/Absent*		ō					
Traffic Reports or		5					
Packing List: Present / Absent		7 20					) )
4. Airbill: Airbill / Sticker		SB0 ID-20				MOT ON (	00
Present Absent		25					
5. Airbill #:		30			+	A AMERICAN CONTRACTOR OF THE PROPERTY OF THE P	
6. Sample Labels: <u>Fresent</u> Absent		35					
Sample IDs:		1 1	4	. 8	1		
on Chain-of-Custody		くろ病	# FIX	Ž	5/8/0	The state of the s	
8. Sample Condition: Thtacly Broken* /						Annual van de Marianne de La Company de la C	
/							
9. Does information on						7	
custody reports, traffic			X		)		
reports and sample					V		
labels agree? Yes No.			1	K			
10. Sample received within				. /			7
hold time: Ses No*					×.		
11. Proper Preservatives						4	
used: Yes No*							1
12. Temp Rec. at Lab: 3.7							
(Acceptance range for samples							
requiring thermal pres.:4+/-2°C) (Yes// No*	-						

Sample Receipt Log
Revision 2.1 (11/10/00)

\*If Circled, contact Project Manager and attach, record of resolution.

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of